

A method and an apparatus for estimating residual noise in a signal and an apparatus utilizing the method

Abstract:

The invention relates to: A method for estimating residual noise in the frequency range (271) of a desired part (240) of a signal to a corresponding apparatus and to a mobile telephone utilizing the method.

The object of the present invention is to generate a measure for the residual noise in a signal.

The problem is solved in that the amplitude of the signal (114) comprising the noise is modified, and the signal (114) is combined with the modified signal (115) to create a noise estimation measure (116).

The invention may e.g. be used in digital radio communications systems to contribute to the monitoring of link quality and therefore to improve payload throughput. One of the advantages of the invention is that an indication of link quality at an early stage in the receiver is provided.

(Figs. 2.a, 2.b, 2.c should be published)

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